

The 1st International Symposium on Wake Interference Effects in Floating Wind Turbines

Organized by Research Institute for Applied Mechanics (RIAM), Kyushu University

Date: August 28-29, 2026

Venue: Meeting Room at 2nd Floor of RIAM

Kyushu University, 6-1 Kasuga-koen, Kasuga, Fukuoka 816-8580, Japan

TIME TABLE

August 28, 2026

13:00 - 13:10	Opening Address by Changhong Hu
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Session 1 Modeling of Offshore Wind Farm Wakes

13:10 – 14:00	Shiuwu Chau (National Taiwan University) <i>Invited Lecture</i> An Overview of the Development of Offshore Wind Energy in Taiwan
14:00 - 14:30	Taro Maruo (Japan Meteorological Corporation) Correction of WRF Wind Fields Using Offshore Measurements for Nearshore Wind Resource Assessment
14:30 - 15:00	Taiyu Yamamoto (Kyushu University) Experimental Study on the Reproduction of Wind Turbine Wake Characteristics by using Porous Disk under Neutral and Unstable Stratifications
15:00 - 15:30	Chun Liang Tan (National Taiwan University) Wake Prediction of a Floating Offshore Wind Turbine Using a Coupled CFD-MoorDyn Framework

15:30 - 15:40	Break
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Session 2 Offshore Wind Technologies

15:40 - 16:30	Joonmo Choung (Inha University) <i>Invited Lecture</i> Overcoming Design Bottlenecks for Fixed and Floating Offshore Wind Turbines
16:30 - 17:20	Woradej Manosroi (Chiang Mai University) <i>Invited Lecture</i> Feasibility of Offshore Wind Turbine in Thailand
17:20 - 17:50	Qicai Niu (Kyushu University) Numerical Simulation of TLP-type FOWT under Extreme Wave and Wind Conditions
17:50 - 18:20	Wang Le (National University of Singapore) Online Fatigue Assessment of Mooring Lines for Floating Offshore Wind Turbines

18:30 - 21:00	Networking party in the small meeting room
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Session 3 Advanced Numerical Models

9:10 - 10:00	Takayuki Aoki (Institute of Science Tokyo) <i>Invited Lecture</i> AMR-Based Simulations for Moving Boundary and Fluid-Structure Interaction Problems
10:00 - 10:30	Shunsuke Kurioka (Kyushu University) GPU-Accelerated Fluid Solver for Advanced Multiphase Applications Employing a Mass-Preserving Particle Level Set Method
10:30 - 11:00	Yuchen Liu (Kyushu University) Aeroelastic Analysis of Diffuser-Augmented Wind Turbines Using an Elastic Actuator Line Model
11:00- 11:30	Kazuma Sasaki (Kyushu University) Gas-Liquid Two-Phase Flow Simulations by an Adaptive Mesh Refinement Lattice Boltzmann Method
11:30 – 12:00	Chaozhi Qiu (Kyushu University) Development of Fully Coupled Aero-Elastic-Hydro-Mooring Simulation Framework for Offshore Multi-Rotor Wind Turbines
12:00 - 12:30	Donatello Chang (National Taiwan University) Motion Prediction of a High-Speed Vessel in Waves
12:30 - 12:35	Closing Address by Shiuwu Chau

Contact:

Prof. Changhong Hu, Kyushu University (Email: hu@riam.kyushu-u.ac.jp)

Prof. Shiuwu Chau, National Taiwan University (Email: chausw@ntu.edu.tw)